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8 September 1950

MEMORANDUM FOR: Office of Logistics/Procurement Division/Contract Branch

ATTENTION :

SUBJECT :

Production Contract Oll-7673-3 with

1. Contract Oll-7673-3 is for the production of Stainless Steel Burial Containers, size 7 X 9 X 8 inches. Subsequent to its development by TSS/ED this container has been rigorously tested under actual burial conditions for several years to determine its capabilities and limitations. While the present container has given every indication of adequately fulfilling the purpose for which it is intended, we would like to include in its fabrication any improvements which will extend its useful life.

2. Accordingly, we would recommend using a different gasket formulation than that employed on the last production of burial containers. The new gasket material is specified as RS-415 ABC1F12 as defined in Specifications MIL-STD-417 (Ord) and MIL-R-3065 B (Ord). The gasket material used before was specified as RS-410 ABF22. The major differences in the old and new formulations are a higher tensile strength and increased ozone cracking resistance for the newer material. Resistance to ozone cracking is considered very important in instances where the container is used to store materials above ground as is occasionally done.

3. It has also been recommended that the contractor investigate the availability, cost and procurement, but not necessarily adopt for this production, two other paint systems other than the one currently in use. Tests have shown these paints to have superior adhesion to the vinyl alkyl paint now being used, and as covered by specification MIL-E-13515 (Ord). The paints recommended for investigation are a Neoprene paint manufactured by Three-M as code XPD 440051, and an Epon-Urean paint which can be compounded by any major paint manufacturer.

4. We feel that the gasket change should be made and would result in a better container. The other paints, although superior in performance to the vinyl alkyl, may not be as easy to apply and may require additional equipment. If this is the case, it is felt that the vinyl alkyl is adequate for the current production.

Chief

TSS/Engineering Division

DD/P/TSS/ED

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